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Patent Claims

- 5 1. Changeover valve, in particular for an automatic  
transmission of a motor vehicle, having at least  
one closing means (11) which is arranged in a  
control plate (10) and which, in order to control  
a flow, can be guided into at least two valve  
10 seats (16, 17) and is arranged in a control duct  
(20) which is open exclusively toward a planar  
connection side (15) of the control plate (10),  
wherein in an operating configuration, in a  
switched-off state, the closing means (11) adopts  
15 a defined initial control position (18) and  
wherein the closing means (11) serves to control  
the flow in at least three ducts (12, 13, 14)  
which adjoin the planar connection side (15) of  
the control plate (10).  
20
2. Changeover valve according to claim 1,  
characterized  
in that the defined initial position (18),  
considered in the operating configuration, lies  
25 below a second control position (19) of the  
closing means (11) and, in the switched-off  
position, the closing means (11) is held at least  
partially in the defined initial control position  
(18) under the force of gravity.  
30
3. Changeover valve according to claim 2,  
characterized  
in that in the operating configuration the control  
duct (20) has at least one angle to the  
35 horizontal, and in its defined initial control

position (18), the closing means (11) bears against a lower valve seat (16) in the control duct (20).

5    4.    Changeover valve according to claim 3,  
characterized  
in that in the operating configuration, in the  
control position (19), the closing means (11)  
bears against an upper valve seat (17) in the  
10    control duct (20).

5.    Changeover valve according to claim 3 or 4,  
characterized.  
in that the control plate (10) has at least one  
15    second duct (21) in addition to the control duct  
(20), and the control duct (20) and the second  
duct (21) are connected by means of a transverse  
duct (22) in the control plate (10).

20    6.    Changeover valve according to claim 5,  
characterized  
in that the transverse duct (22) is formed by a  
bore.

25    7.    Changeover valve according to claim 5 or 6,  
characterized  
in that the transverse duct (22) is outwardly  
sealed off by a metal closing plate (23).

30    8.    Changeover valve according to one of the preceding  
claims,  
characterized  
in that the defined initial control position (18)  
corresponds to a rebound position.

9. Changeover valve according to one of the preceding claims,  
characterized  
5 in that the closing means (11) is formed by a valve ball.
10. Transmission control unit having at least one changeover valve as claimed in one of the preceding claims.
- 10 11. Changeover valve according to one of claims 1 - 9, characterized  
in that at least one of the valve seats (16) is integrally formed on the control plate (10).